

LANGUAGE-ENHANCED PROGRAMMING TOOLS
ABSTRACT

Statements of a computer program expressed using a first source natural language are
5 made meaningful to a programmer familiar with a second target natural language. The
first source natural language of the computer program is determined from the
programmer, or through analysis, and the second target natural language desired by the
programmer is selected. Textual constructs may be parsed, with reference to stored
10 coding conventions to determine meaningful lexical tokens. Such tokens are translated
with a translation engine, and displayed to the programmer, desirably using a graphical
user interface feature of an integrated development environment (IDE) for computer
programming in a particular programming language.